

## **Amendments to the Claims**

Please cancel Claims 1-51 and 79-92 and add Claims 93-97 as follows:

Claims 1-51 and 79-92 (Cancelled)

52. (Original) A collection of discharge devices, comprising:  
a plurality of discharge devices, each discharge device comprising:  
a first electrode;  
a second electrode on the first electrode;  
a dielectric layer between the first and second electrodes; and  
a cavity that extends through the first electrode and the dielectric layer,  
wherein the plurality of discharge devices are electrically connected  
together and when a minimum voltage sufficient to cause discharge of at least 10 of the  
devices in the plurality of discharge devices is applied, then a voltage difference  
between the first and second electrode at every cavity of the at least 10 devices has a  
voltage difference of no more than 20% of an average voltage difference between the  
first and second electrodes of the at least 10 devices.
53. (Original) A collection of discharge devices according to claim 52, wherein  
the voltage difference is no more than 10% of the average voltage difference.
54. (Original) A collection of discharge devices according to claim 52, wherein  
the voltage difference is no more than 2% of the average voltage difference.
55. (Original) A collection of discharge devices according to claim 52, wherein  
the voltage difference is no more than 1% of the average voltage difference.
56. (Original) A collection of discharge devices according to claim 52, wherein  
the minimum voltage is sufficient to cause discharge of at least 100 of the devices in the  
plurality of discharge devices:

57. (Original) A collection of discharge devices according to claim 52, wherein the minimum voltage is sufficient to cause discharge of at least 1000 of the devices in the plurality of discharge devices.

58. (Original) The collection of discharge devices of claim 52, wherein the cavities extend entirely through at least one of the first and second electrodes.

59. (Original) The collection of discharge devices of claim 52, wherein the cavities extend entirely through both of the first and second electrodes.

60. (Original) The collection of discharge devices of claim 52, wherein the cavities terminate before extending entirely through either of the first and second electrodes.

61. (Original) The collection of discharge devices of claim 52, further comprising a gas disposed within the cavity.

62. (Original) The collection of discharge devices of claim 52, wherein at least one of the first and second electrodes comprises an optically transmissive material.

63. (Original) The collection of discharge devices of claim 52, wherein both the first and second electrodes are formed from an optically transmissive material.

64. (Original) The collection of discharge devices of claim 52, wherein each of the dielectric layers comprise a plurality of films, at least one of the films having a dielectric constant different from at least another of the films.

65. (Original) The collection of discharge devices of claim 52, wherein at least one of the first and second electrodes comprises a plurality of layers, at least one of the plurality of layers being electrically conductive.

66. (Original) The collection of discharge devices of claim 65, wherein the at least one of the plurality of layers is disposed more proximate to the cavity than remaining layers of the second electrode.

67. (Original) The collection of discharge devices of claim 66, wherein the remaining layers reflect light of undesired wavelengths back into the cavity.

68. (Original) The collection of discharge devices of claim 52, wherein at least one of the first and second electrodes comprises a screen.

69. (Original) The collection of discharge devices of claim 68, wherein a conductive layer is disposed between the dielectric layer and the screen.

70. (Original) The collection of discharge devices of claim 52, further comprising an optically transmissive sealing material to seal the cavities.

71. (Original) The collection of discharge devices of claim 70, further comprising an optically transmissive protective material disposed between the sealing material and the cavities.

72. (Original) A collection of discharge devices according to claim 52, wherein the devices are arranged in an array.

73. (Original) The collection of discharge devices of claim 72, wherein the devices in the array are divided into sub-arrays.

74. (Original) The collection of discharge devices of claim 73, wherein the sub-arrays have at most one of the two electrodes in common.

75. (Original) The collection of discharge devices of claim 73, wherein the sub-arrays are excited in parallel.

76. (Original) A lighting array comprising the discharge devices according to claim 72.

77. (Original) An array for photodynamic therapy comprising the discharge devices according to claim 72.

78. (Original) A gas chromatography array comprising the discharge devices according to claim 72.

93. (New) The collection of discharge devices of claim 52, wherein the cavity extends entirely through both of the first and second electrodes.

94. (New) The collection of discharge devices of claim 93, wherein the cavity has the same general shape and dimensions throughout the dielectric layer.

95. (New) The collection of discharge devices of claim 52, wherein the collection is flexible and has a radius of curvature of at most several meters.

96. (New) The collection of discharge devices of claim 52, wherein electron multiplication in the discharges occurs primarily outside of the first and second electrodes.

97. (New) The collection of discharge devices of claim 68, wherein each device further comprises one of a phosphor and an electroluminescent material on the screen.